

CLAIMS

1. A digital signal receiver, comprising:

a reception processor operable to receive a broadcast signal containing information data and to cause said information data to be displayed on a display unit by using a browser; and

a distributed information storage unit operable to obtain said information data from said reception processor, to store said information data in a data storage device, to read said information data stored in said data storage device, and to supply said read information data to said reception processor for display, said distributed information storage unit including

a period separating unit operable to separate from said information data one period of data having an amount of data corresponding to plural periods which are periodically contained in said broadcast signal; and

a periodizing unit operable to process said one period of data into periodized information data having said plural periods.

2. The digital signal receiver as claimed in claim 1, wherein said distributed information storage unit includes said data storage device.

3. The digital signal receiver as claimed in claim 1, wherein said distributed information storage unit further includes a table-of-contents generating unit operable to

generate a menu frame representing plural information items contained in said read information data.

4. The digital signal receiver as claimed in claim 3, wherein said table-of-contents generating unit is operable to generate said menu frame for each user by inputting preference information for each said user.

5. The digital signal receiver as claimed in claim 3, wherein said table-of-contents generating unit is operable to generate said menu frame by inputting information on priorities of contents which a user wants to watch/listen to.

6. The digital signal receiver as claimed in claim 1, wherein said reception processor includes an encryption unit operable to encrypt said information data before said information data is obtained by said distributed information storage unit, and said distributed information storage unit further includes a decryption unit operable to decrypt said information data obtained from said reception processor.

7. The digital signal receiver as claimed in claim 1, wherein said distributed information storage unit further includes an encryption unit operable to encrypt said periodized information data before said periodized information data is supplied to said reception processor, and said reception processor includes a decryption unit operable to decrypt said periodized information data supplied from said distributed information storage unit.

8. A digital signal display method, comprising:

receiving a broadcast signal containing information data;

separating from said information data one period of data having an amount of data corresponding to plural periods which are periodically contained in said broadcast signal;

storing said one period of data in a data storage device;

reading out said one period of data from said data storage device;

processing said one period of data into periodized information data having plural periods; and

displaying said periodized information data on a display unit using a browser.

9. The digital signal display method as claimed in claim 8, further comprising encrypting and decrypting said information data after said step of receiving said broadcast signal and before said step of separating said one period of data from said information data.

10. The digital signal display method as claimed in claim 8, further comprising encrypting and decrypting said periodized information data before said periodized information data is displayed.